

BILL OF QUANTITIES (BOQ)

Name of the work: - Resetting of chainlink fencing, implementation of Rain water harvesting and improvements to park at Sahakarnagar park in ward no 08

Sl. No.	Approved Qty.	Description	Unit	Issued to Technical Manager, KRIDL	
				In Figures	In Words
1	31.20	KSRRB M200-13.1. Dismantling of existing structures like culverts, Bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. II. By mechanical means, A. Cement concrete Grade M-15 & M-20 (P.No.139, I.No.18.20 of PW,P&IWTDR SR 2018-19)	Cum	522.40	Rupees Five Hundred Twenty Two and Forty Paise Only
2	11.49	KSRRB M200-15.2. Dismantling of existing structures like culverts, Bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. iii) Dismantling Stone Masonry B. Rubble Stone masonry in cement mortar (P.No.140, I.No.18.27 of PW,P&IWTDR SR 2018-19)	Cum	372.06	Rupees Three Hundred Seventy Two and Six Paise Only
3	44.00	KSRRB M300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specification. MORTH / Chapter 3 (P.No.143, I.No.19.1 of PW, P&IWTDR SR 2018-19)	Cum	252.49	Rupees Two Hundred Fifty Two and Forty Nine Paise Only
4	6.60	KSRB 4-1.2: Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.892 cum and fine aggregates @ 0.465 cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.13, I.No.4.2 of PW,P&IWTDR S.R 2018-19)	Cum	5505.64	Rupees Five Thousand Five Hundred Five and Sixty Four Paise Only
5	24.03	KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2(Page No : 16, item No : 4.28)	Cum	273.48	Rupees Two Hundred Seventy Three and Forty Eight Paise Only
6	77.45	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chiselled dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13(P.No.25, I.No.5.6 of PW, P&IWTDR S.R 2018-19)	Cum	4871.76	Rupees Four Thousand Eight Hundred Seventy One and Seventy Six Paise Only
7	288.00	KSRB 15.1.1 Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. (P.No.115, I.No.15.1 of PW, P&IWTDR S.R 2018-19)	Sqm	149.46	Rupees One Hundred Forty Nine and Forty Six Paise Only
8	3.40	KSRB 4-1.6: Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.530 cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.13, I.No.4.6 of PW,P&IWTDR S.R 2018-19)	Cum	5747.32	Rupees Five Thousand Seven Hundred Forty Seven and Thirty Two Paise Only
9	4.15	KSRB 4-1.5 : Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregates @ 0.43 cum, machine mixed, concrete laid in layers not exceeding 15cms thick well compacted, in foundation and plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.(P.No.13, I.No. 4.5 of PWD SR 2018-19)	Cum	5647.68	Rupees Five Thousand Six Hundred Forty Seven and Sixty Eight Paise Only

Sl. No.	Qty.	Description	Unit	Issued to Technical Manager , KRIDL	
				In Figures	In Words
10	27.00	Providing and fixing M.S. Gate as per Chief Architect Drawing, using 50mm x 50mm 14 guage M.S. hollow pipe frame work bent to ornamental shape as shown in the drawing and 35mm x 6mm and 16 x 16mm Square rods for verticals alternatively spaced at 4cms c/c in two halves and 40mmx6mm M.S. flats for horizontal member and at the top cast iron spikes are provided at alternate vertical members as shown in the drawing etc., complete. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, with lead and lift, loading and unloading charges, etc., complete as per specification(P.No.45, I.No7.37 of PW,P&IWT S.R 2018-19))	sqm	3192.72	Rupees Three Thousand One Hundred Ninety Two and Seventy Two Paise Only
11	15.00	KSRRB M800-7. Painting:-Providing and applying two coats of ready- mix paint of approved brand after thorough cleaning of surface to give an even shade complete as per specifications. MORTH Specification No. 803 Painting on Steel Surface(P.No.181, I.No24.8.1 of PW,P&IWT S.R 2018-19))	Sqm	344.50	Rupees Three Hundred Forty Four and Fifty Paise Only
12	128.00	KSRRB M300-53. Construction of embankment with approved material Gravel/Murum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications, (which includes cost of gravel / murum, watering charges & compaction by vibratory roller) MORTH Specification No. 305 (P.No.147, I.No.19.60 of PW,P&IWT S.R 2018-19)	Cum	344.50	Rupees Three Hundred Forty Four and Fifty Paise Only
13	126.00	Supplying and fixing M.S. Rectangular poles made out of 2 equal angles of 65x65x6 mm welded together and fixed in CC (1:2:4) WITH 2 NOS 16mm dia M.S. hold fast rods each of length 25 cms. Including cost of all materials cutting, bending scaffolding wherever necessary, nicely finishing the welded joints with all lead lifts and as per the directions of the Engineer in - charge of the work and including providing 2 coats of approved quality paint over one coat of shop painting (excluding cost of earthwork and concrete) (P.No.266 I.No.37.2 of PW,P&IWT S.R of 2018-19)	m	910.54	Rupees Nine Hundred Ten and Fifty Four Paise Only
14	200.00	Providing chain link fencing 50mm size of 8 guage properly stretched between existing rectangular poles and fixed with suitable bolts & nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials, labour, lead and lifts and as per the directions of the Engineer-in-charge of work including two coats of approved quality paint over one coat of shop paint (P.No.266 of I.No.37.3 in PW,P&IWT S.R 2018-19)	Sqm	757.90	Rupees Seven Hundred Fifty Seven and Ninety Paise Only
15	240.00	Providing and fixing M.S. Block pipe of 38mm dia, of heavy guage of 14 including removing the bends, cutting the pipe, and fixing pipe in between the existing two verticle poles (M.S. rectangular poles) and spot welding the chain link with M.S. block pipe including cost of all materials wastage in cutting, and scaffolding wherever necessary with all lead and lift as directed by the Engineer-in-charge of work etc., complete including two coats of approved quality paint over one coat of shop paint. (P.No.266 I.No.37.4 of PW,P&IWT S.R of 2018-19)	m	432.48	Rupees Four Hundred Thirty Two and Forty Eight Paise Only
16	39.00	KSRRB M400-19: Construction of Median and island above road level with approved material deposited from borrowpits, spread, sloped and compacted as per Clause 400.7 complete as per specifications. MORTH Specification No.407 (P.No155 of I.No.20.20 in PW,P&IWT S.R 2018-19)	cum	221.54	Rupees Two Hundred Twenty One and Fifty Four Paise Only
17	390.00	KSRB 14.6-1: Providing & laying heavy duty cobble stones 60mm thick interlock pavers,using cement & course sand for manufacture of blocks of approved size ,shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (Avg thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM of machineries complete as per specifications. Specification No. KBS (P.No 103 of I.No.14.6 in PW,P&IWT S.R 2018-19)	Sqm	1116.18	Rupees One Thousand One Hundred Sixteen and Eighteen Paise Only

EXECUTIVE ENGINEER-4
KRIDL, B&MP DIVISION
BENTURU-560 010

Signature of the Contractor

Executive Engineer

		Description	Unit	Issued to	
				Technical Manager , KRIDL	
				In Figures	In Words
	668.00	Providing and fixing precast solid concrete kerb stones made out of CC. 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including form work, curing including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., complete (P. No. 27 I. No.5.29.2 in PW,P&IWTD SR 2018-19)	No	467.46	Rupees Four Hundred Sixty Seven and Forty Six Paise Only
19	105.00	KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 (P.No.180, I.No. 24.1 of PW,P&IWTD SR 2018-19)	Sqm	84.80	Rupees Eighty Four and Eighty Paise Only
20	33.75	KSRRB 2.6:Providing and filling Stone Dust in trenches to required depth including watering ramming with all leads and lift. complete as per specification and as directed by Engineer-in-charge (P.No.7, I.No.2.13 of PW,P&IWTD SR 2018-19)	Cum	1432.12	Rupees One Thousand Four Hundred Thirty Two and Twelve Paise Only
21	9.00	Providing and making precast seating arrangement including excavation laying pcc M15, providing laying M20 concrete for pedestal and seating slab, fixing of seating slab including all necessary bolt and nuts etc, complete and as per the directions of Engineer in-Charge. (Data Rate)	Each	11785.00	Rupees Eleven Thousand Seven Hundred Eighty Five Only

1. The work should be executed as per the specification and standard specified by the PWD & Other specifications of the Bangalore Mahanagara Palike and as directed.
2. The work should be carried out as per the directions and instructions of the concerned Engineer
3. The Contractor should maintain the quality of work as per the standard specifications.

[Signature]
Executive Engineer (Byatarayanapura)
Bruhath Bangalore Mahanagara Palike

I am prepared to take up the above work at the rates quoted by me in the Schedule 'B'.

[Signature]
EXECUTIVE ENGINEER-4
CONTRACTOR
BMP DIVISION
BENGALURU-560 010